

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An apparatus for making a color filter with a plurality of filter elements aligned on a substrate, comprising:

an inkjet head having a nozzle line comprising a plurality of nozzle groups, each of the nozzle groups including a plurality of nozzles;

an ink supplying element for supplying a filter material to the inkjet head;

a first-scan driving element for moving at least one of the inkjet head and the substrate in a first-scanning direction relative to the other;

a second-scan driving element for moving one of the inkjet head and the substrate in a second-scanning direction relative to the other;

a nozzle discharge controlling element for controlling the discharge of the filter material from the plurality of the nozzles;

a first-scan controlling element for controlling the operation of the first-scan driving element; and

a second-scan controlling element for controlling the operation of the second-scan driving element,

wherein the second-scan controlling element is configured to control the second-scan driving element to move at least one of the inkjet head and the substrate in a second-scanning direction relative to the other so that at least a part of each nozzle group scans a same section of the substrate in the first direction and at least one adjacent nozzle group of a nozzle group at the inkjet head scans a same section of a substrate previously scanned by the nozzle group of the inkjet head.

2. (Currently Amended) An apparatus for making a liquid crystal device, the liquid crystal device comprising:

a pair of substrates for enclosing liquid crystal; and

a plurality of filter elements aligned on at least one of the substrates, and the apparatus comprising:

an inkjet head having a nozzle line comprising a plurality of nozzle groups, each of the nozzle groups including a plurality of nozzles;

an ink supplying element for supplying a filter material to the inkjet head;

a first-scan driving element for moving at least one of the inkjet head and the substrate in a first-scanning direction relative to the other;

a second-scan driving element for moving at least one of the inkjet head and the substrate in a second-scanning direction relative to the other;

a nozzle discharge controlling element for controlling the discharge of the filter material from the plurality of the nozzles;

a first-scan controlling element for controlling the operation of the first-scan driving element; and

a second-scan controlling element for controlling the operation of the second-scan driving element,

wherein the second-scan controlling element is configured to control the second-scan driving element to move at least one of the inkjet head and the substrate in a second-scanning direction relative to the other so that at least a part of each nozzle group scans a same section of the substrate in the first direction and at least one adjacent nozzle group of a nozzle group at the inkjet head scans a same section of a substrate previously scanned by the nozzle group of the inkjet head.

3. (Currently Amended) An apparatus for making an electro-luminescent device, the device comprising a plurality of pixels, each including an electro-luminescent layer, aligned on a substrate, and the apparatus comprising:

an inkjet head having a nozzle line comprising a plurality of nozzle groups, each nozzle group including a plurality of nozzles;

an ink supplying element for supplying a electro-luminescent material to the inkjet head;

a first-scan driving element for moving at least one of the inkjet head and the substrate in a first-scanning direction relative to the other;

a second-scan driving element for moving at least one of the inkjet head and the substrate in a second-scanning direction relative to the other;

a nozzle discharge controlling element for controlling the discharge of the filter material from the plurality of the nozzles;

a first-scan controlling element for controlling the operation of the first-scan driving element; and

a second-scan controlling element for controlling the operation of the second-scan driving element,

wherein the second-scan controlling element is configured to control the second-scan driving element to move at least one of the inkjet head and the substrate in a second-scanning direction relative to the other so that at least a part of each nozzle group scans a same section of the substrate in the first direction and at least one adjacent nozzle group of a nozzle group at the inkjet head scans a same section of a substrate previously scanned by the nozzle group of the inkjet head.

4. (Currently Amended) A control unit for controlling an inkjet head which is used in making an optical component having a plurality of color patterns aligned on a substrate, comprising:

an inkjet head having a nozzle line comprising a plurality of nozzle groups, each nozzle group including a plurality of nozzles;

an ink supplying element for supplying a electro-luminescent material to the inkjet head;

a first-scan driving element for moving at least one of the inkjet head and the substrate in a first-scanning direction relative to the other;

a second-scan driving element for moving at least one of the inkjet head and the substrate in a second-scanning direction relative to the other;

a nozzle discharge controlling element for controlling the discharge of the filter material from the plurality of the nozzles;

a first-scan controlling element for controlling the operation of the first-scan driving element; and

a second-scan controlling element for controlling the operation of the second-scan driving element,

wherein the second-scan controlling element is configured to control the second-scan driving element to move one of the inkjet head and the substrate in a second-scanning direction relative to the other so that at least a part of each nozzle group scans a same section of the substrate in the first direction and at least one adjacent nozzle group of a nozzle group at the inkjet head scans a same section of a substrate previously scanned by the nozzle group of the inkjet head.

5. (Currently Amended) An apparatus for discharging a material towards a object, comprising:

a head having a nozzle line comprising a plurality of nozzle groups, each of the nozzle groups including a plurality of nozzles;

an material supplying element for supplying a material to the head;

a first-scan driving element for moving at least one of the head and the object in a first-scanning direction relative to the other;

a second-scan driving element for moving at least one of the head and the substrate in a second-scanning direction relative to the other; and

a nozzle discharge controlling element for controlling the discharge of the material from the plurality of the nozzles,

wherein the second-scan driving element is configured to move at least one of the head and the object in a second-scanning direction relative to the other so that the nozzle group scans a same section of the object in the first direction and at least one adjacent nozzle group of a nozzle group at the head scans a same section of a substrate previously scanned by the nozzle group of the head.